# Alvium 1800 U

## Alvium 1800 U-319



Alvium 1800 U-319 innovative USB camera with Sony IMX265 CMOS global shutter sensor provides industrial performance for cost effective embedded and machine vision applications.

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| □□ | Alvium 1800 U-319 |
| □□□□ | Alvium 1800 U |
| □□ | Available |

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|---|---|
| □□□□□ | Area scan |
| □□ | Color, Mono |
| □□ | Visible |
| □□□□ | 300 nm to 1100 nm |
| □□□ | 2,064 × 1,544 (3.20 MP) |
| □□□□□ | Sony IMX265 |
| □□□□□□□□□ | cmos |
| □□□□ | Global shutter (GS) |
| □□□□□ | 7.1 × 5.3 mm (8.9 mm, Type 1/1.8) |
| □□□□ | 3.45 µm × 3.45 µm |

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| □□□□□□ | 12-bit |
| YUV□□□□ | YCbCr411_8_CbYYCrYY, YCbCr422_8_CbYCrY, YCbCr8_CbYCr |
| RGB□□□□ | BGR8, RGB8 (default) |
| □□□□□□ | BayerRG12 |

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| □□□□ @ 529 nm | 64 % |

## □□□□□

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| □□□□ | 54 fps |
| □□□□ | 26 µs to 10 s |
| □□ | 0.0 dB to 48.0 dB |

## I/O□□□

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|---|---|
| □□□□□IO | 4 programmable GPIOs |
| □□□□ | Power over USB 3.1 Gen 1 \| External power 5.0 V |
| □□ | USB power: 2.2 W (typical) \| Ext. power: 2.4 W (typical) |

## □□□□

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| □□□□ | -20 °C to 65 °C (□□) |

## □□□□

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| □□□□□L x W x H mm□ | 38 × 29 × 29 |
| □□□□ | C-Mount, CS-Mount, S-Mount |
| □□ | 60 g |

## □□□□□FPGA

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| □□□□□RAM□ | 256 KByte |
| □□□□□□□□□□□□ | 1024 KByte |

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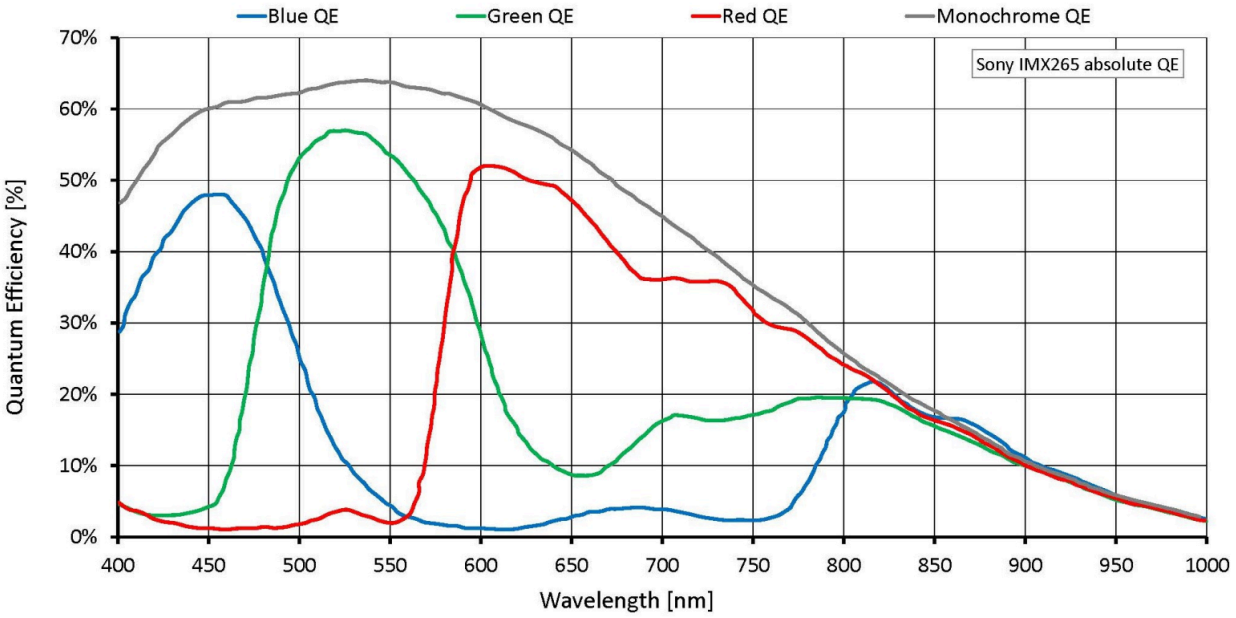
| □□□□ | usb3.0 |
| □□□□ | USB3 Vision |

## Quantum Efficiency



# Technical Drawing

